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IN THE DRAWINGS

Figure 4: Added reference numerals

Figure 5: Added reference numerals

Figure 6: Change 307 to 507.

Figure 7: Change 5 to 605. Change r407 to 607.

Figure 8: Change 5 to 705. Change 9 to 709.

Figure 1 - GSM1x System Architecture using the MSN

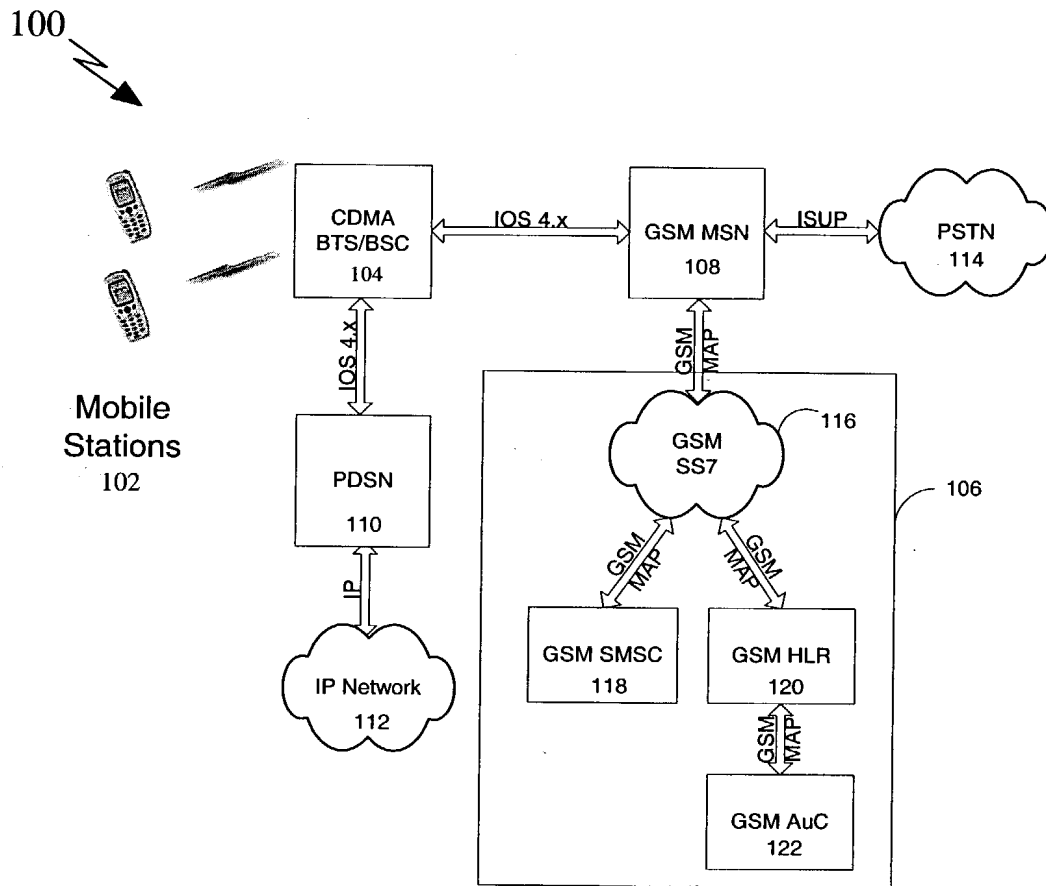


FIGURE 1

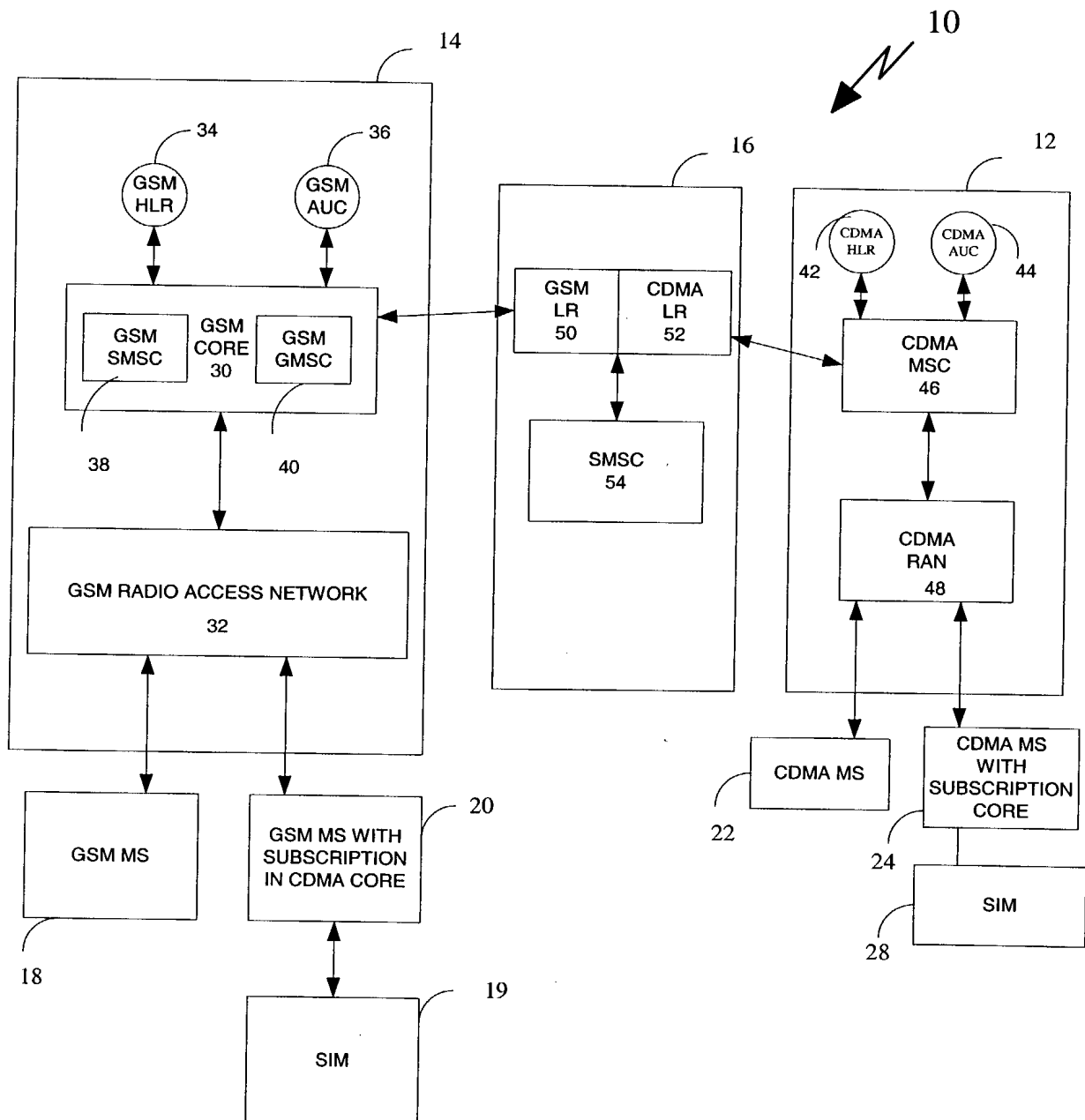


FIGURE 2

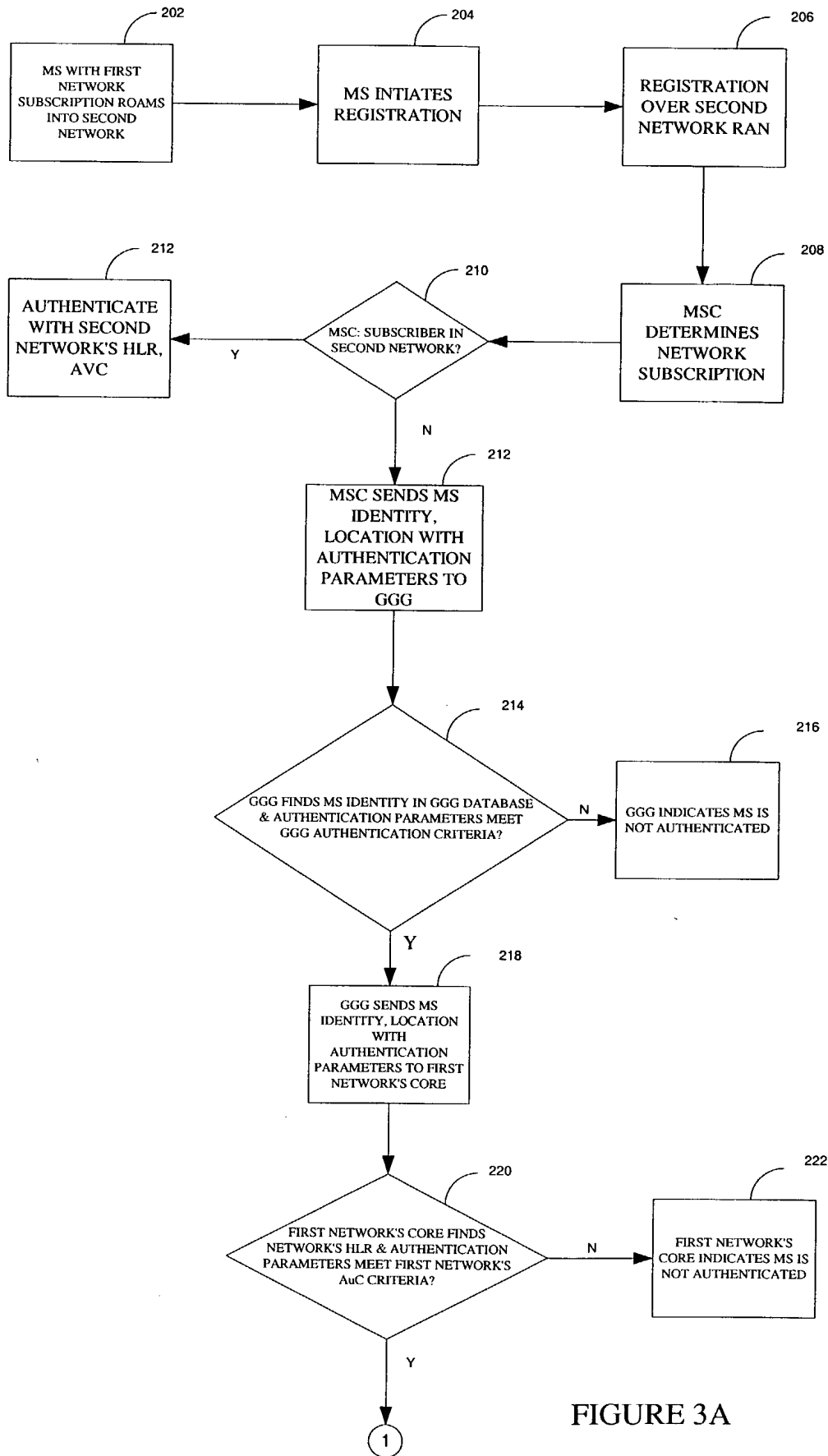


FIGURE 3A

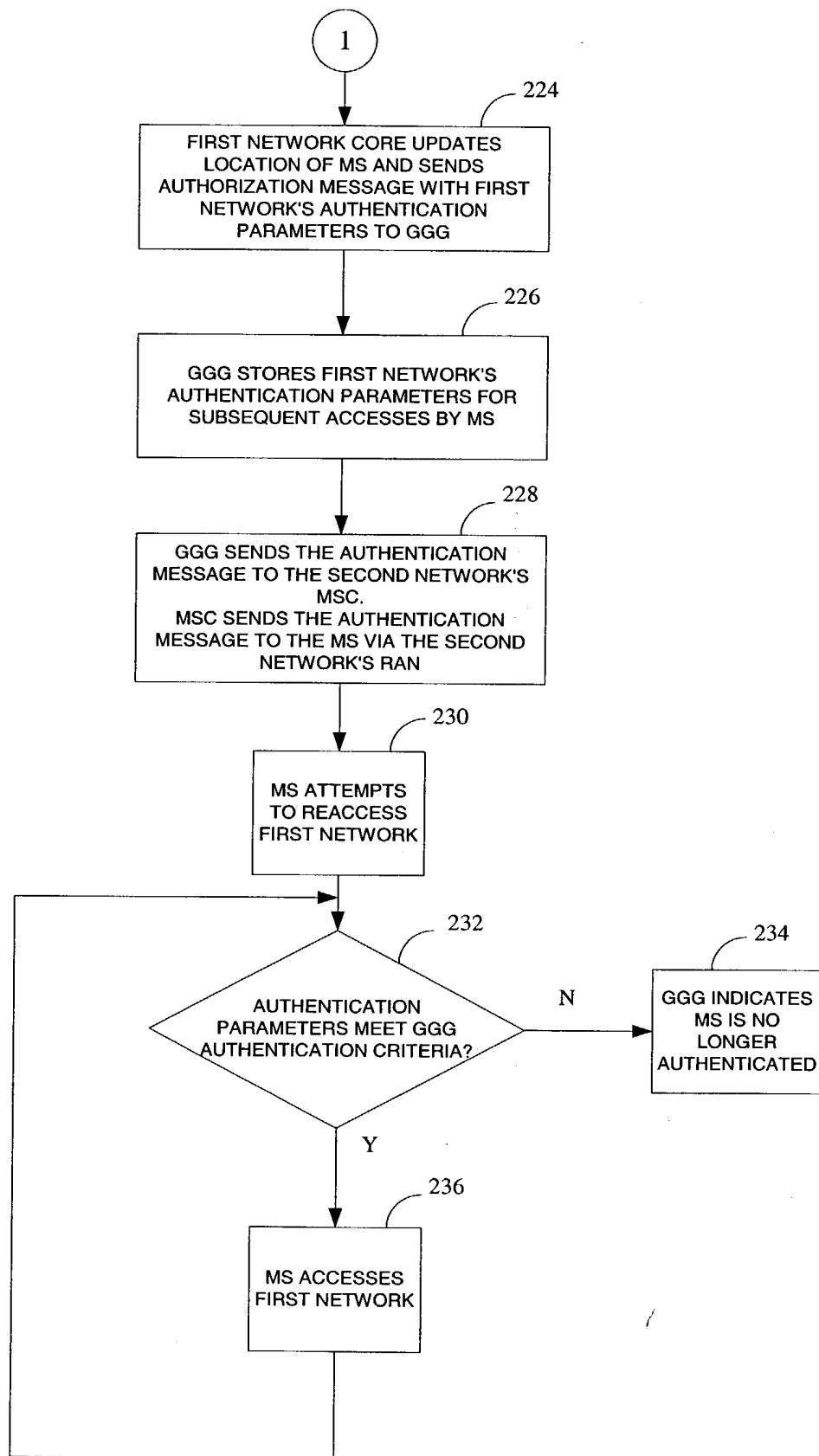


FIGURE 3B



Figure 4

ANSI-41 method of producing authentication keys

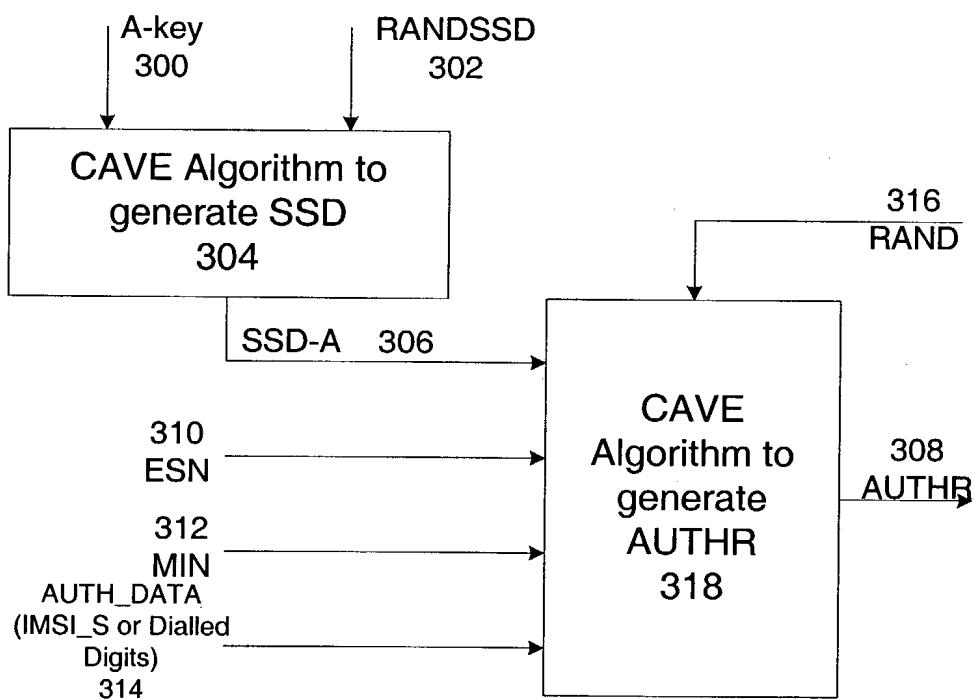


Figure 5

Using Kc as SSD-A

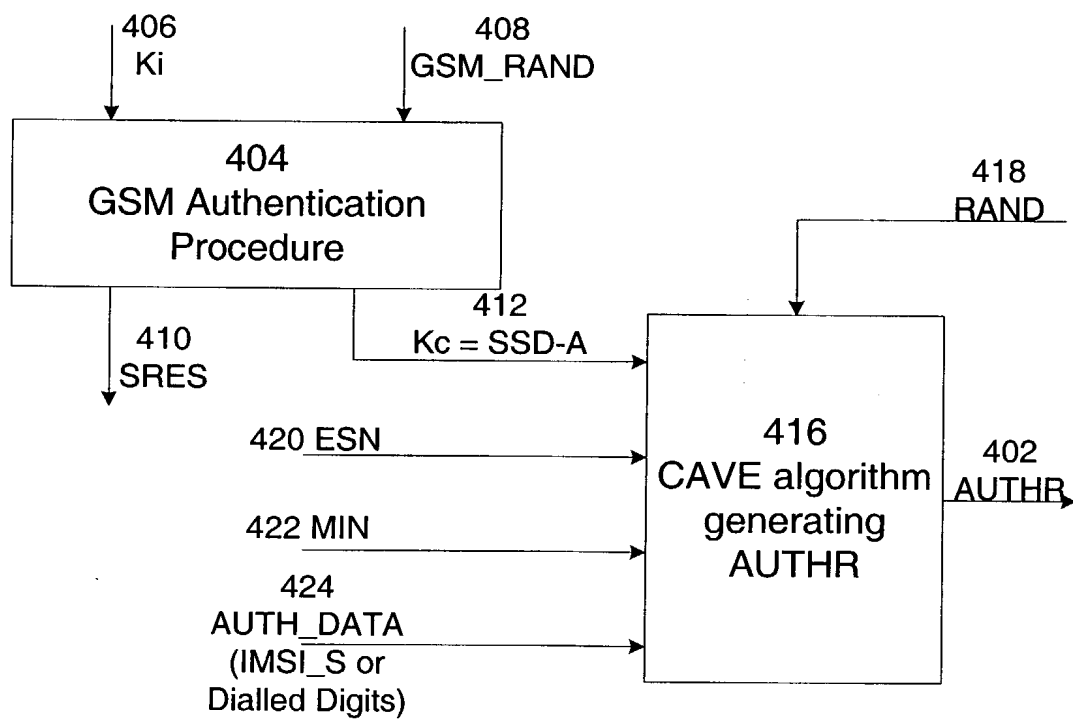


Figure 6

Successful SSD update procedure

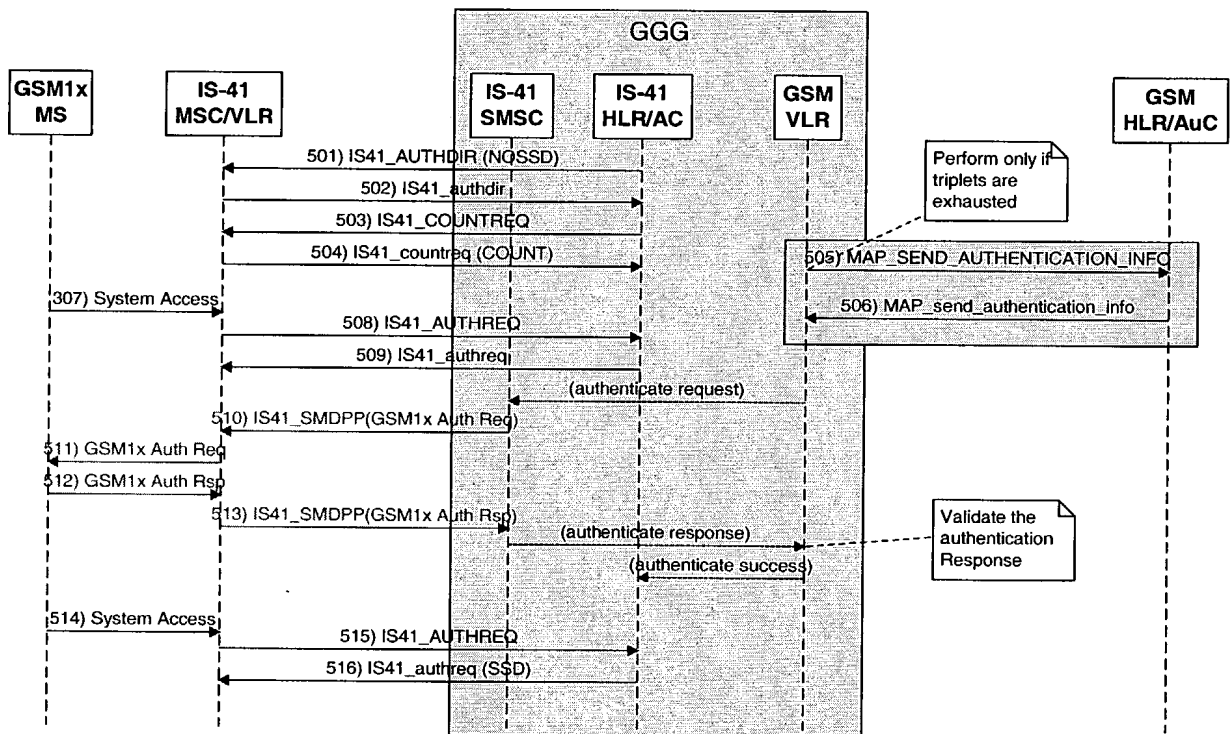


Figure 7

Initial registration with SSD sharing

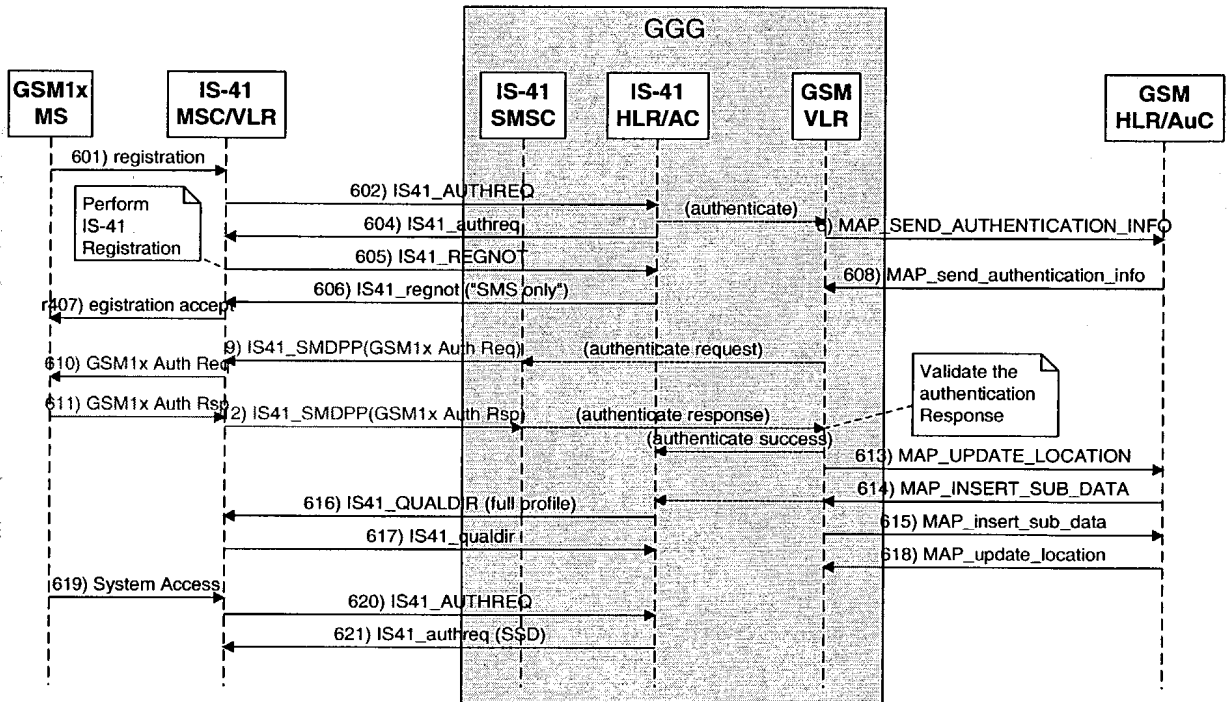
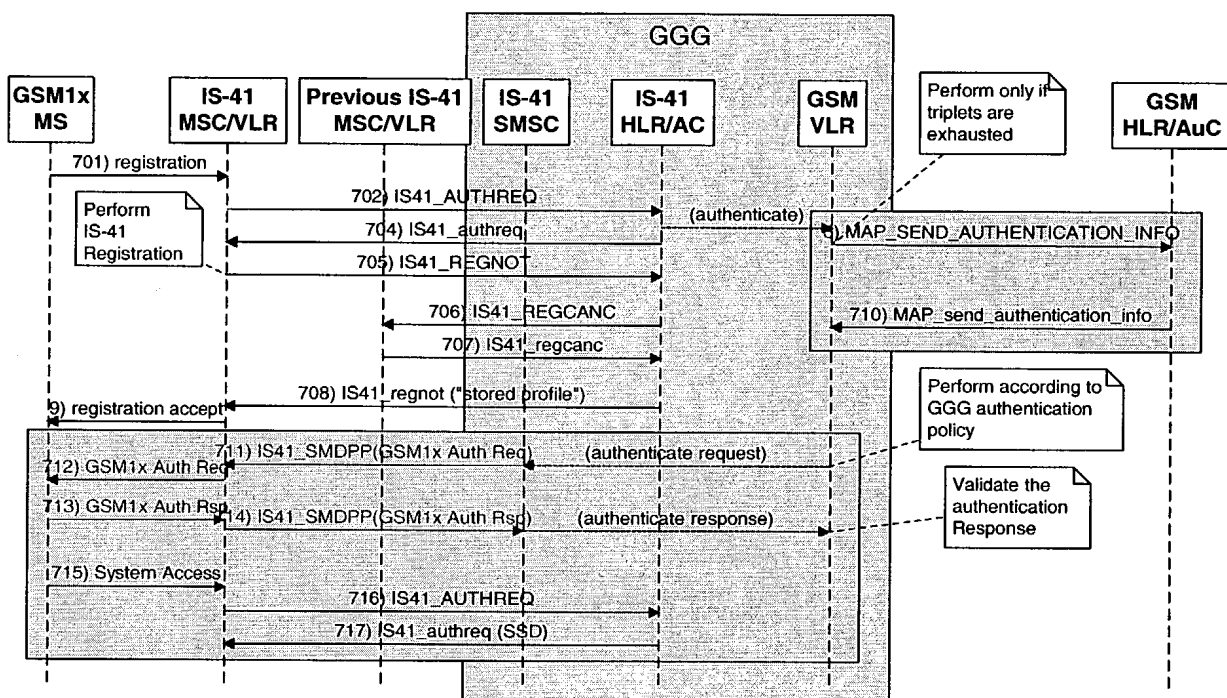


FIGURE 8

Successful registration with new MSC/VLR with SSD sharing.





**Figure 9 - Outline of
Authentication Procedure**

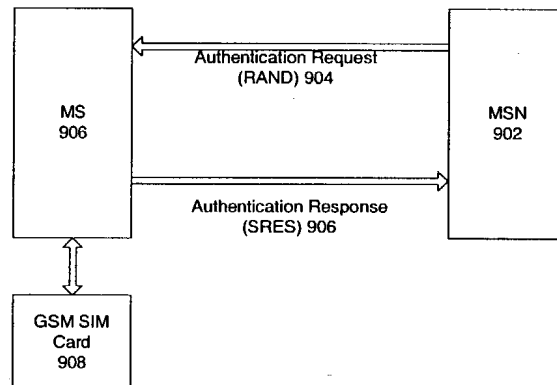
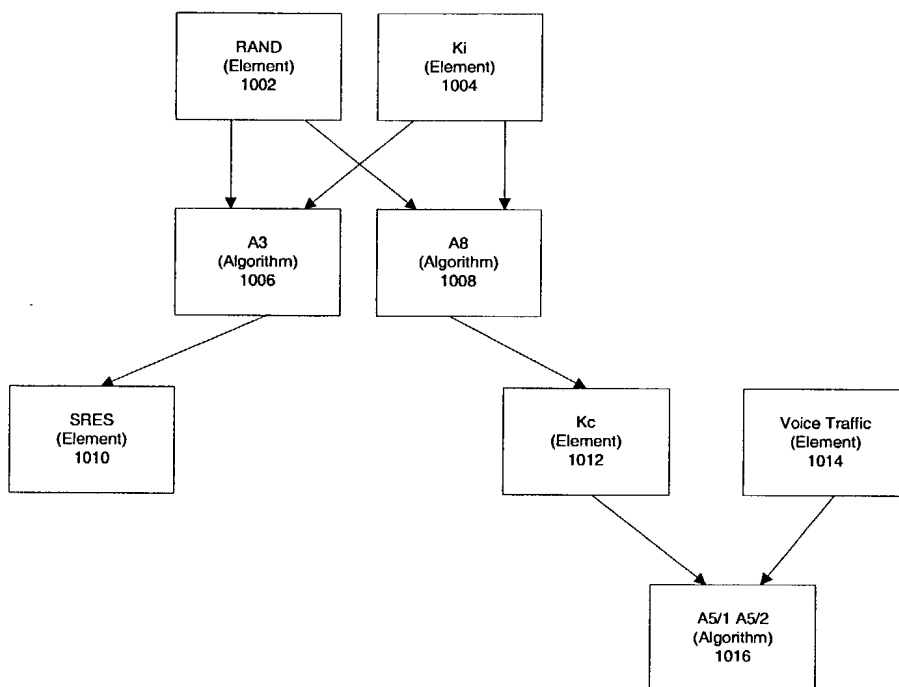




Figure 10 - GSM Key Generation

GSM Cryptography



GSM Authentication

GSM Privacy

Figure 12 - Message Flow during Registration

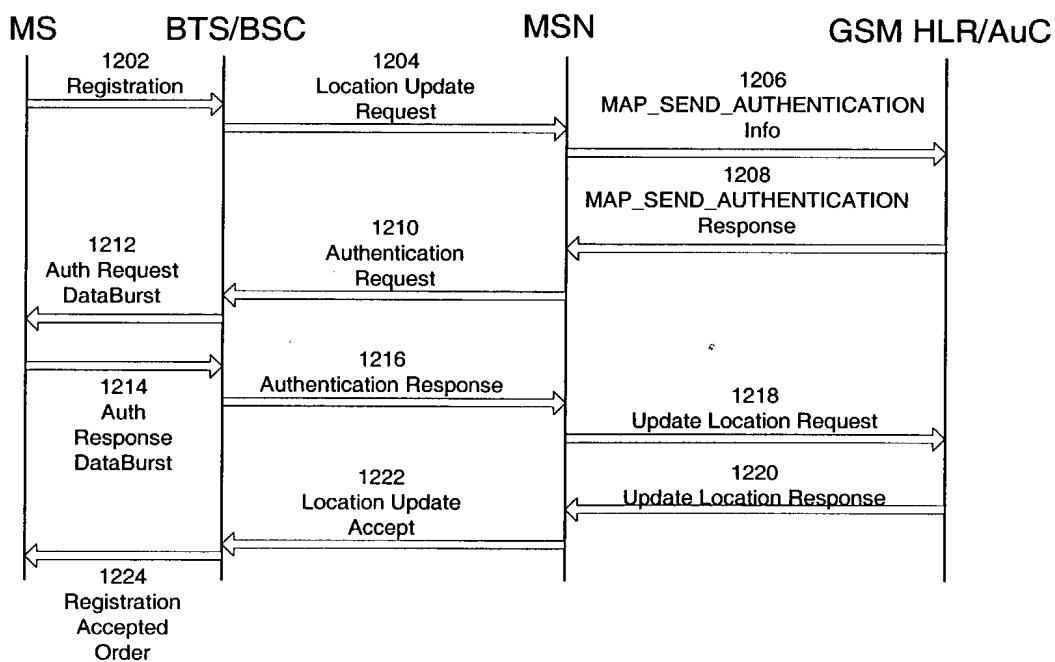




Figure 11 - CDMA Key Generation

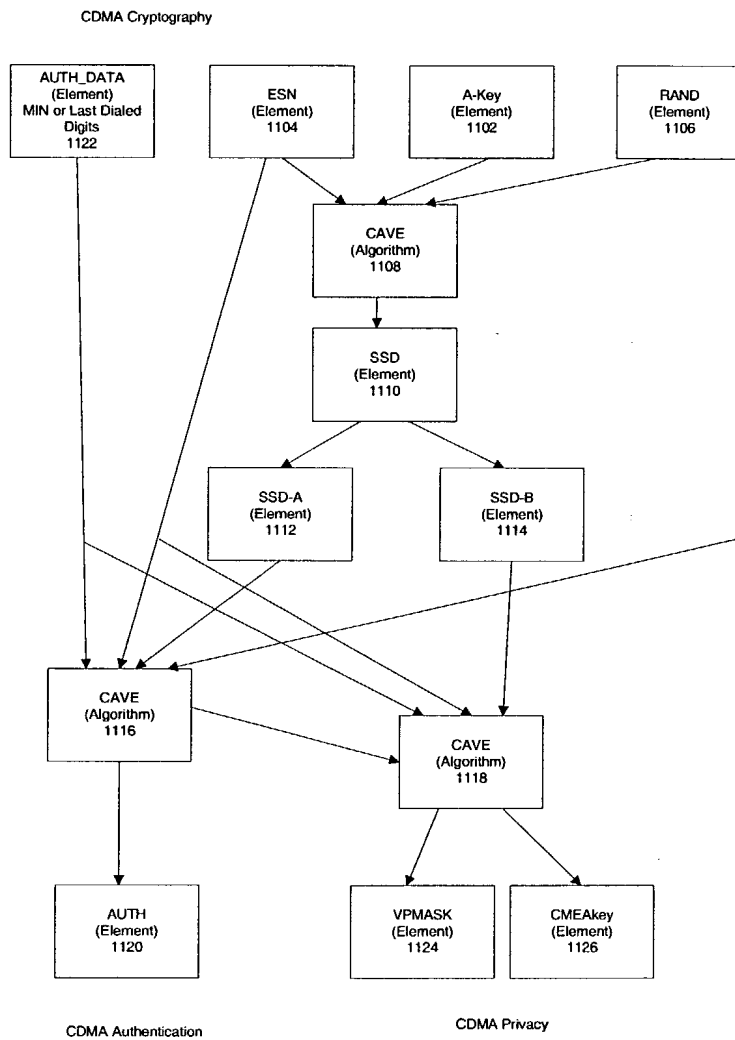


Figure 13 - Message Flow during MO Call

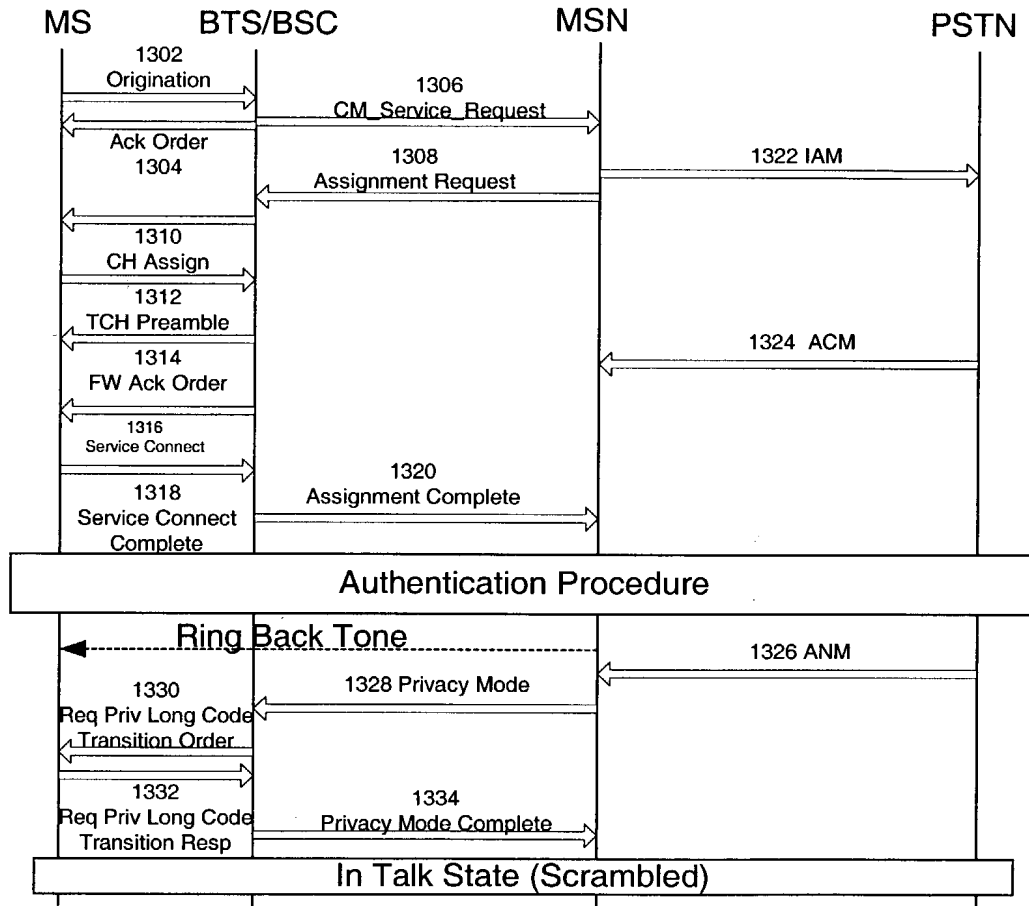




Figure 14 - Message Flow during MT Call

